

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v20)**

1. Factor the expression  $11x^2 + 91x - 72$

$$(11x - 8)(x + 9)$$

2. Factor the expression  $11x^2 - 91x + 24$

$$(11x - 3)(x - 8)$$

3. Factor the expression  $11x^2 - 79x - 72$

$$(11x + 9)(x - 8)$$

4. Factor the expression  $5x^2 - 34x + 45$

$$(5x - 9)(x - 5)$$

5. Factor the expression  $11x^2 + 16x - 12$

$$(11x - 6)(x + 2)$$

6. Factor the expression  $5x^2 + 2x - 7$

$$(5x + 7)(x - 1)$$

7. Factor the expression  $7x^2 + 20x - 3$

$$(7x - 1)(x + 3)$$

8. Factor the expression  $3x^2 - 14x + 15$

$$(3x - 5)(x - 3)$$

9. Factor the expression  $7x^2 - 15x + 8$

$$(7x - 8)(x - 1)$$

10. Factor the expression  $5x^2 - 4x - 1$

$$(5x + 1)(x - 1)$$